



Appl. No. 09/628,122  
Petition Dated September 29, 2005

The application is currently under allowance and the issue fee was paid on August 16, 2005.

On September 28, 2005, Applicant was contacted telephonically by the Examiner in regards to a reference not previously of record and which is included in accompanying Information Disclosure Statements.

In addition to this reference, Applicant includes in the Information Disclosure Statement courtesy copies of all previously submitted IDS forms. These forms were reviewed and signed by the previous Examiner who preceded Examiner Wang. Although Applicant regards these references to be of record in the case, Applicant supplies these copies for Examiner Wang's review and signature as a courtesy.

Additionally, Applicant submits copies of all Office Actions and Responses thereto in continuation in part application to the present application – US Serial Number 09/916,232 – as an additional courtesy for the Examiner.

Applicant respectfully requests reconsideration of the application in light of the new submissions supplied herewith.

Appl. No. 09/628,122  
Petition Dated September 29, 2005

Respectfully submitted,

Dated: 29 Sept 05

By: Stuart P. Kaler  
Stuart P. Kaler  
Reg. No. 35, 913

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**SEP 29 2005**

**EXAMINING GROUP 2672**  
**PATENT**  
Customer No. 42304  
Attorney Docket No. CLRV-001  
Confirmation No. 2606

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Candice Hellen Brown Elliott

Application No.: 09/628,122

Filed: July 28, 2000

For: ARRANGEMENT OF COLOR  
PIXELS FOR FULL COLOR  
IMAGING DEVICES WITH  
SIMPLIFIED ADDRESSING


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)  
) Group Art Unit: 2672  
)  
) Examiner: WANG, Jin Cheng  
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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Certificate of Transmission**

I hereby certify that this correspondence is being deposited with the United States Post Office with sufficient postage as first class mail to the USPTO on the following date: September 29, 2005.

Carolyn Marsden  
Printed Name

  
Signature

Sir:

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)**

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicant brings to the attention of the Examiner the documents listed on the attached PTO 1449's, SB 08A and SB 08B forms. This Information Disclosure Statement is being filed pursuant to Section 1.97 (b) (4) – before the mailing of a first Office Action after the filing of a Request for Continued Examination under § 1.114.

Appl. No. 09/628,122

The PTO 1449 and SB 08A forms included herein are copies of earlier submitted 1449 and SB 08A forms in the present application and were considered and signed by Examiner Havan – who preceded Examiner Wang in the examination of this application. Even though Applicant believes that these references are properly of record in the case, Applicant is supplying copies of these 1449 and SB 08A forms as a courtesy for the Examiner. The non-US patent references are already of record in the case and copies are not being sent with this IDS.

Additionally, Applicant is supplying the Examiner with copies of the substantive Office Actions and their Responses in the continuation in part application claiming priority to this application. These submissions are supplied as a courtesy to the Examiner and copies of these Office Actions and Responses are being sent in a separate mailing via first mail apart from this facsimile transmission.

Applicant respectfully requests that the Examiner consider the listed documents and indicate that they were considered by making the appropriate notations on the attached form.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that the listed documents are material or constitute "prior art." If the Examiner applies any documents as prior art against any claims in the application and Applicant determines that the cited documents do not constitute "prior art" under United States law, Applicant reserves the right to

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present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

Respectfully submitted,

Clairvoyante, Inc

Dated: 29 Sept. 05

By: Stuart P. Kaler  
Stuart Kaler  
Reg. No. 35,913

PTO/SB/08A (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
*(Use as many sheets as necessary)*

**Complete if Known**

Application Number	09/628,122
Filing Date	July 28, 2000
First Named Inventor	BROWN ELLIOTT, Candice Hellen
Art Unit	2672
Examiner Name	WANG, Jin Cheng
Attorney Docket Number	CLRV-001

Sheet	1	of	2
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## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature		Date Considered	
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\*EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22131-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22131-1450.

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Substitute for form 1449/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	09/628,122
		Filing Date	July 28, 2000
		First Named Inventor	BROWN ELLIOTT, Candice Hellen
		Art Unit	2672
		Examiner Name	WANG, Jin Cheng
		Attorney Docket Number	CLRV-001
Sheet	2	of	2

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		LESPERANCE, JEAN E., Non-Final Office Action dated March 9, 2004 in US Serial No. 09/916,232 (12 pages)	
		LESPERANCE, JEAN E., Non-Final Office Action dated May 6, 2004 in US Serial No. 09/916,232 (9 pages)	
		KALER, STUART P., Response to Non-Final Office Action dated September 3, 2004 in US Serial No. 09/916,232 (74 pages)	
		LESPERANCE, JEAN E., Final Office Action dated January 6, 2005 in US Serial No. 09/916,232 (24 pages)	
		KALER, STUART P., Response to Final Office Action dated January 28, 2005 in US Serial No. 09/916,232 (36 pages)	

Examiner Signature	Date Considered
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\*EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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# INFORMATION DISCLOSURE CITATION

OMB No. 0651-0011

Atty. Docket No.	8831.0001	Appln. No.	09/628,122
Applicant	CANDICE HELLEN BROWN ELLIOTT		
Filing Date	July 28, 2000	Group:	2714

U.S. PATENT DOCUMENTS						
Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
	3,971,065	Jul 20, 1976	Bayer			
	4,751,535	Jun 14, 1988	Myers			
	4,786,964	Nov 22, 1988	Plummer et al.			
	4,966,441	Oct 30, 1990	Conner			
	4,967,264	Oct 30, 1990	Parulski et al.			
	5,398,068	Mar 14, 1995	Martinez-Uriegas et al.			
	5,541,653	Jul 30, 1996	Peters et al.			
	5,561,460	Oct 1, 1996	Katoh et al.			
	5,754,226	May 19, 1998	Yamada et al.			
	5,792,579	Aug 11, 1998	Phillips			
	5,949,496	Sep 7, 1999	Kim			
	5,973,664	Oct 26, 1999	Badger			
	6,034,666	Mar 7, 2000	Kanai et al.			
	6,061,533	May 9, 2000	Kajiware			
	6,108,122	Aug 22, 2000	Ulrich et al.			
	6,144,352	Nov 7, 2000	Matsuda et al.			
	6,160,535	Dec 12, 2000	Park			
	6,188,385 B1	Feb 13, 2001	Hill et al.			
	6,271,891 B1	Aug 7, 2001	Ogawa et al.			
	6,299,329 B1	Oct 9, 2001	Mul et al.			
	6,377,262 B1	Apr 23, 2002	Hitchcock et al.			

FOREIGN PATENT DOCUMENTS						
	Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No
	DE 199 23 527	Nov 23, 2000	Germany			English Abstract only

OMB No. 0651-0011

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Atty. Docket No.	8831.0001	Appln. No.	09/628,122
Applicant	CANDICE HELLEN BROWN ELLIOTT		
Filing Date	July 28, 2000	Group:	2714

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	Adobe Systems, Inc., website, 2002, <a href="http://www.adobe.com/products/acrobat/cooltype.html">http://www.adobe.com/products/acrobat/cooltype.html</a> .
	Betrissey, C., et al., "Displaced Filtering for Patterned Displays," 2000, <u>Society for Information Display (SID) 00 Digest</u> , pp. 296-299.
	Carvajal, D., "Big Publishers Looking Into Digital Books," April 3, 2000, <u>The New York Times</u> , Business/Financial Desk.
	Elliott, C., "Active Matrix Display Layout Optimization for Sub-pixel Image Rendering," September 2000, Proceedings of the 1 <sup>st</sup> International Display Manufacturing Conference, pp. 185-189.
	Elliott, C., "New Pixel Layout for PenTile Matrix," January 2002, Proceedings of the International Display Manufacturing Conference, pp. 115-117.
	Gibson Research Corporation, website, "Sub-Pixel Font Rendering Technology, How It Works," 2002, <a href="http://www.grc.com/ctwhat.html">http://www.grc.com/ctwhat.html</a> .
	Microsoft Corporation, website, 2002, <a href="http://www.microsoft.com/reader/ppc/product/cleartype.html">http://www.microsoft.com/reader/ppc/product/cleartype.html</a> .
	Microsoft Press Release, November 15, 1998, "Microsoft Research Announces Screen Display Breakthrough at COMDEX/Fall '98, PR Newswire.
	Murch, M., "Visual Perception Basics," 1987, <u>SID</u> , Seminar 2, Tektronix, Inc., Beaverton, Oregon.
	Okumura, H., et al., "A New Flicker-Reduction Drive Method for High-Resolution LCTVs," May 1991, <u>Society for Information Display (SID) International Symposium Digest of Technical Papers</u> , pp. 551-554.
	Wandell, Brian A., Stanford University, "Fundamentals of Vision: Behavior, Neuroscience and Computation," June 12, 1994, <u>Society for Information Display (SID) Short Course S-2</u> , Fairmont Hotel, San Jose, California.
	U.S. Patent Application Publication No. US 2002/0015110 A1, February 7, 2002, Brown Elliott.

Examiner	Date Considered
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	
Form PTO 1449	Patent and Trademark Office - U.S. Department of Commerce

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## INFORMATION DISCLOSURE CITATION

Atty. Docket No.	8831.0001	Appln. No.	09/828,122
Applicant	Candice Hellen Brown Elliott		
Filing Date	July 28, 2000	Group:	2714

U.S. PATENT DOCUMENTS						
Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
	4,353,062	Oct 5, 1982	Lorteije et al.			
	4,593,978	Jun 10, 1986	Mourey et al.			
	4,642,619	Feb 10, 1987	Togashi			
	4,651,148	Mar 17, 1987	Takeda et al.			
	4,773,737	Sep 27, 1988	Yokono et al.			
	4,792,728	Dec 20, 1988	Chang et al.			
	4,800,375	Jan 24, 1989	Silverstein et al.			
	4,853,592	Aug 1, 1989	Strathman			
	4,874,986	Oct 17, 1989	Menn et al.			
	4,908,609	Mar 13, 1990	Stroomer			
	4,965,565	Oct 23, 1990	Noguchi			
	5,006,840	Apr 9, 1991	Hamada et al.			
	5,052,785	Oct 1, 1991	Takimoto et al.			
	5,113,274	May 12, 1992	Takahashi et al.			
	5,132,674	Jul 21, 1992	Bottoff			
	5,144,288	Sep 1, 1992	Hamada et al.			
	5,233,385	Aug 3, 1993	Sampsell			
	5,311,337	May 10, 1994	McCartney, Jr.			
	5,436,747	Jul 25, 1995	Suzuki			
	5,461,503	Oct 24, 1995	Deffontaines et al.			
	5,535,028	Jul 9, 1996	Bae et al.			
	5,563,621	Oct 8, 1996	Silsby			
	5,579,027	Nov 26, 1996	Sakurai et al.			
	5,815,101	Sep 28, 1998	Fonte			
	5,821,913	Oct 13, 1998	Mamiya			
	6,002,446	Dec 14, 1999	Eglt			
	6,038,031	Mar 14, 2000	Murphy			

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Filing Date	July 28, 2000	Group:	2714

## U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
	6,049,626	Apr 11, 2000	Kim			
	6,097,367	Aug 1, 2000	Kuriwaki et al.			
	6,184,903 B1	Feb 6, 2001	Omori			
	6,198,507 B1	Mar 6, 2001	Ishigami			
	6,219,025 B1	Apr 17, 2001	Hill et al.			
	6,225,967 B1	May 1, 2001	Hebiguchi			
	6,225,973 B1	May 1, 2001	Hill et al.			
	6,236,390 B1	May 22, 2001	Hitchcock			
	6,239,783 B1	May 29, 2001	Hill et al.			
	6,243,070 B1	Jun 5, 2001	Hill et al.			
	6,327,008 B1	Dec 4, 2001	Fujiyoshi			
	6,360,023 B1	Mar 19, 2002	Betrissey et al.			
	6,392,717 B1	May 21, 2002	Kunzman			
	6,393,145 B2	May 21, 2002	Betrissey et al.			
	6,441,867	Aug 27, 2002	Daly			
	6,453,067 B1	Sep 17, 2002	Morgan et al.			
	6,466,618 B1	Oct 15, 2002	Messling et al.			

## FOREIGN PATENT DOCUMENTS

	Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No
	DE 199 23 527 A1	Nov 23, 2000	Germany			Yes, except drawings
	DE 199 23 527 A1	Nov 23, 2000	Germany			No, includes drawings
	EP 0 158 366 A2	Oct 16, 1985	EPO			
	EP 0 203 005 A1	Nov 26, 1986	EPO			Yes; Abstract only
	EP 0 322 106 A2	Jun 28, 1989	EPO			
	EP 0 812 114 A1	Dec 10, 1997	EPO			
	EP 1 261 014 A2	Nov 27, 2002	EPO			Yes; Abstract only

OMB No. 0651-0011

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FOREIGN PATENT DOCUMENTS						
	Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No
	GB 2 133 912 A	Aug 1, 1984	UK			
	GB 2 146 478 A	Apr 17, 1985	UK			
	JP 60-107022	Jun 12, 1985	JP			Yes; Abstract only
	JP 02-000826 A	Jan 5, 1990	JP			Yes; Abstract only
	JP 3-36239 B	May 30, 1991	JP			
	JP 02-983027 B2	Nov 29, 1999	JP			Yes; Abstract only
	JP 03-78390	Apr 3, 1991	JP			Yes, except drawings
	JP 03-78390	Apr 3, 1991	JP			No, includes drawings
	WO 00/42564	Jul 20, 2000	PCT			
	WO 00/42762	Jul 20, 2000	PCT			
	WO 00/45365	Aug 3, 2000	PCT			
	WO 01/10112 A2	Feb 8, 2001	PCT			
	WO 01/29817 A1	Apr 26, 2001	PCT			
	WO 01/52546 A2	Jul 19, 2001	PCT			
	WO 02/059685 A2	Aug 1, 2002	PCT			
	WO 03/014819 A1	Feb 20, 2003	PCT			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	Bechtel, Hans-Helmut et al., "Plasma Color Display Screen with Pixel Matrix Array," U.S. Patent Application Publication, Pub. No.: US 2002/0190648 A1, Dec 19, 2002.
	Booth, Jr., Lawrence A., "Method and Apparatus for Wide Gamut Multicolor Display," U.S. Patent Application Publication, Pub. No. US 2003/0011613 A1, Jan 16, 2003.
	Choo, Kyo Seop et al., "Data Wire Device of Pentile Matrix Display Device," U.S. Patent Application Publication, Pub. No.: US 2003/0071943 A1, Apr 17, 2003.
	"ClearType magnified," <u>Wired Magazine</u> , November 8, 1999, Microsoft Typography, article posted November 8, 1999, and last updated January 27, 1999, © 1999 Microsoft Corporation, 1 page.
	Credelle, Thomas L. et al., "P-00: MTF of High-Resolution PenTile Matrix™ Displays," <u>Eurodisplay 02 Digest</u> , 2002, pages 1-4.
	Daly, Scott, "Analysis of Subtriad Addressing Algorithms by Visual System Models," <u>SID Symp. Digest</u> , June 2001, pages 1200-1203.

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	Elliott, Candice H. Brown et al., "Color Subpixel Rendering Projectors and Flat Panel Displays," New Initiatives in Motion Imaging, SMPTE Advanced Motion Imaging Conference, February 27-March 1, 2003, Seattle, Washington, pages 1-4.
	Elliott, Candice H. Brown et al., "Co-optimization of Color AMLCD Subpixel Architecture and Rendering Algorithms," <u>SID Symp. Digest</u> , May 2002, pages 172-175.
	Feigenblatt, R.I., "Full-color imaging on amplitude-quantized color mosaic displays," <u>SPIE</u> , Vol. 1075, Digital Image Processing Applications, 1989, pages 199-204.
	Goertzen, Kenbe D., "System and Method for Optimizing Image Resolution Using Pixelated Imaging Device," U.S. Patent Application Publication, Pub. No. 2003/0071826 A1, Apr 17, 2003.
	Hayashi, Kenkichi, "Image Signal Processing Device for Minimizing False Signals at Color Boundaries," U.S. Patent Application Publication, Pub. No. US 2002/0140831 A1, Oct 3, 2002.
	Hoelen, Christoph Gerard August et al., "Light Panel with Enlarged Viewing Window," U.S. Patent Application Publication, Pub. No. US 2003/0043567 A1, Mar 6, 2003.
	Johnston, Stuart J., "An Easy Read: Microsoft's ClearType," <u>InformationWeek Online</u> , Redmond, WA, November 23, 1998, 3 pages.
	Johnston, Stuart J., "Clarifying ClearType," <u>InformationWeek Online</u> , Redmond, WA, January 4, 1999, 4 pages.
	"Just Outta Beta," <u>Wired Magazine</u> , December 1999, Issue 7.12, 3 pages.
	Klompenhouwer, Michiel A. et al., "Subpixel Image Scaling for Color Matrix Displays," <u>SID Symp. Digest</u> , May 2002, pages 176-179.
	Kunzman, Adam J., "Reduced Color Separation White Enhancement for Sequential Color Displays," U.S. Patent Application Publication, Pub. No. US 2002/0122160 A1, Sep 5, 2002.
	Kusunoki, Toshiaki et al., "Display Device Using Thin Film Cathode and Its Process," U.S. Patent Application Publication, Pub. No. US 2001/0017515 A1, Aug 30, 2001.
	Lee, Baek-Woon et al., "40.5L: Late-News Paper: TFT-LCE with RGBW Color System," <u>SID 03 Digest</u> , 2003, pp. 1212-1215.
	Markoff, John, "Microsoft's ClearType Sets Off Debate on Originality," <u>The New York Times</u> , December 7, 1998, 5 pages.
	"Microsoft ClearType," <a href="http://www.microsoft.com/opentype/cleartype">http://www.microsoft.com/opentype/cleartype</a> , September 26, 2002, 4 pages.
	Platt, John C., "Optimal Filtering for Patterned Displays," Microsoft Research, <u>IEEE Signal Processing Letters</u> , 2000, 4 pages.
	Platt, John, "Technical Overview of ClearType Filtering," Microsoft Research, <a href="http://research.microsoft.com/users/jplatt/cleartype/default.aspx">http://research.microsoft.com/users/jplatt/cleartype/default.aspx</a> , September 17, 2002, 3 pages.
	Poor, Alfred, "LCDs: The 800-pound Gorilla," <u>Information Display</u> , September 2002, pages 18-21.

OMB No. 0651-0011

## INFORMATION DISCLOSURE CITATION

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Applicant	Candice Hellen Brown Elliott		
Filing Date	July 28, 2000	Group:	2714

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	"Ron Feigenblatt's remarks on Microsoft ClearType™," <a href="http://www.geocities.com/SiliconValley/Ridge/6664/ClearType.html">http://www.geocities.com/SiliconValley/Ridge/6664/ClearType.html</a> , December 5, 1998, December 7, 1998, December 12, 1999, December 26, 1999, December 30, 1999, and June 19, 2000, 30 pages.
	"Sub-Pixel Font Rendering Technology," © 2003 Gibson Research Corporation, Laguna Hills, CA, 2 pages.
	Sun, Xiuhong, "Multispectral Imaging System with Spatial Resolution Enhancement," U.S. Patent Application Publication, Pub. No.: US 2002/0012071 A1, Jan 31, 2002.
	Werner, Ken, "OLEDs, OLEDs, Everywhere..." <u>Information Display</u> , September 2002, pages 12-15.
	Yamazaki, Shunpei, "Semiconductor Device and Manufacturing Method Thereof," U.S. Patent Application Publication, Pub. No. US 2001/0040645 A1, Nov 15, 2001.
	Yamazaki, Shunpei et al., "Electro-Optical Device," U.S. Patent Application Publication, Pub. No. US 2002/0017645 A1, Feb 14, 2002.

Examiner	Date Considered
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	
Form PTO 1449	Patent and Trademark Office - U.S. Department of Commerce



OMB No. 0651-0011

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Applicant	Candice Hellen Brown ELLIOTT		
Filing Date	July 28, 2000	Group:	2672

U.S. PATENT DOCUMENTS						
Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date if Appropriate
	5,189,404	Feb 23, 1993	Masimo et al.			
	6,346,972 B1	Feb 12, 2002	Kim			

FOREIGN PATENT DOCUMENTS						
	Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No
	DE 201 09 354 U1	Sep 13, 2001	Germany			No
	DE 299 09 537 U1	Oct 14, 199	Germany			No
	EP 0 899 604 A2	Mar 3, 1999	EPO			
	EP 1,083 539 A2	Mar 14, 2001	EPO			
	EP 0 793 214 A1	Sep 3, 1997	EPO			
	JP 2001203919	Jul 27, 2001	JP			Abstract only
	WO 97/23860	Jul 3, 1997	PCT			
	WO 00/67196	Nov 9, 2000	PCT			
	WO 00/21067	Apr 13, 2000	PCT			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	Krantz, John H. et al., "Color Matrix Display Image Quality: The Effect of Luminance and Spatial Sampling," <i>SID International Symposium, Digest of Technical Papers</i> , pp. 29-32, 1990.
	Messing, Dean S. et al., "Improved Display Resolution of Subsampled Colour Images Using Subpixel Addressing," <i>Proc. Int. Conf. Image Processing (ICIP '02)</i> , Rochester, N.Y., IEEE Signal Processing Society, vol. 1, pp. 625-628, 2002.
	Messing, Dean S. et al., "Subpixel Rendering on Non-Striped Colour Matrix Displays," <i>International Conference on Image Processing</i> , Barcelona, Spain, 4 pp., 09/2003.
	PCT International Search Report for PCT/US02/39860 dated July 30, 2003.

Examiner	Date Considered
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	
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PTO/SB/08A (08-03)

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	1
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**Complete if Known.**

Application Number	09/628,122
Filing Date	July 28, 2000
First Named Inventor	Brown Elliott, C.
Art Unit	2872
Examiner Name	Havan, Thu Thao
Attorney Docket Number	8831.0001

**U. S. PATENT DOCUMENTS**

[illegible]

**FOREIGN PATENT DOCUMENTS**

[illegible]

Examiner Signature		Date Considered	
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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**Complete if Known**

Application Number	09/628,122
Filing Date	July 28, 2000
First Named Inventor	Brown Elliott, Candice
Art Unit	
Examiner Name	Haven, Thu Thao
Attorney Docket Number	8831.0001

Sheet 1 of 1

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Examiner Signature		Date Considered	
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Translation is attached.

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 1

**Complete if Known**

Application Number	09/628,122
Filing Date	July 28, 2000
First Named Inventor	BROWN ELLIOTT, Candi
Art Unit	2672
Examiner Name	HAVAN, Thu Thao
Attorney Docket Number	CLVR-001

## U. S. PATENT DOCUMENTS

[illegible]

**FOREIGN PATENT DOCUMENTS**

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code <sup>2</sup> Number <sup>3</sup> Kind Code <sup>4</sup> (if known)	MM-DD-YYYY		
		EP 1 381 020 A2	01-14-2004	BARCO, N.V.	
		WO 00/65432	11-02-2000	BARCO, N.V.	

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Page 1 of 1[illegible]

OMB No. 0651-0011

## INFORMATION DISCLOSURE CITATION

Atty. Docket No.	8831.0001	Appln. No.	09/628,122
Applicant	Candice Hellen Brown Elliott		
Filing Date	July 28, 2000	Group:	2714

U.S. PATENT DOCUMENTS							
Examiner Initial*		Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
		6,243,055 B1	Jun 5, 2001	Ferguson			

FOREIGN PATENT DOCUMENTS							
		Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No
		06-102503	Apr 15, 1994	Japan			Yes

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	

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